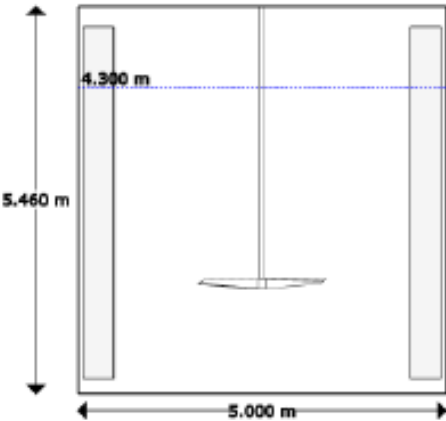
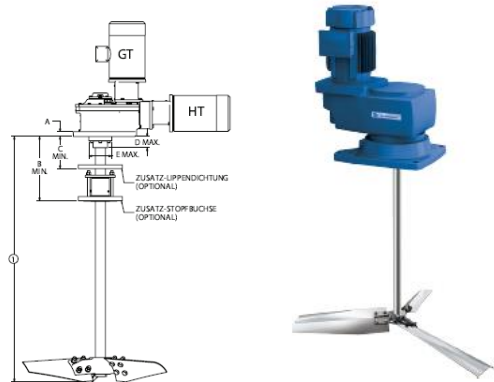


	Pos.	St.	NOV-Chemineer Rührwerk			
	1	1	Modell 22GTD-4			
Anmerkungen:						
- Speed: 37RPM - Power: 4 kW - Impeller: SC-3 D= 1.727mm						
TANK DETAILS						
Tank Configuration:	Cylindrical					
Tank Size:	5.000 m dia.					
Straight Side:	5.460 m					
Top Shape:	Flat					
Bottom Shape:	Flat					
No. Baffles:	(3) @ 120°					
Baffles Width:	0.419 m					
Baffles Wall Clearance:	0.069 m					
Baffles Height:	4.972 m					
Agitator Orientation:	Vertical, on-center					
Agit. Mounting Surface:	Flat Structure or Beams					
Agit. Mounting Height:	0.190 m above tank top					
DRIVE CONFIGURATION						
Type and Options:	Gear Drive; Nominal Speed: 37 RPM; Rotation Direction: Clockwise; Paint: 2 Pack Epoxy					
Motor:	Power: 4.00 KW; Speed: 1500 RPM; Frame: IEC 112; Supply: AC; Voltage: 400V; Phase: 3-Ph; Frequency: 50 Hz; Efficiency: IE3; Enclosure: TEFC; Max. Ambient: 40.0 °C; Mounting: V18 (Face)					
Gearbox:	Type: Chemineer 20GT; Size: #22; Lubricant: Oil (R&O); Dipstick: Yes; Service Rating: Class III					
Shaft-Tank Seal:	Type: Aux. Lip Seal; Flange: 6" 150# ANSI Flat-Face 316SS					
Drive Mounting:	Type: Foot Mount					
WETTED PARTS CONFIGURATION						
Shaft Diameter:	64 mm	Material:	316SS			
Fasteners:	Lock-washer and nut	Finish:	Chemineer standard			
Station:	Location from Mounting:	Diameter:	Pumping Direction:	Options:		
Impeller, SC-3	4,177 mm	1,727 mm	Down	Hub Attachment: Welded to shaft; Blade Attachment: Bolted to hub		
PROCESS DATA						
Process Stage:	Level:	Volume:	Pressure:	Temp.:	Viscosity:	SG:
Stage 1	4.300 m	84430.3 l	0.0 Barg	22.2 °C	1.0 cp	1
MIXER PERFORMANCE						
Process Stage:	ChemScale:	Pumping:	Blend Time:	Uniformity:	G-Value:	Flow:
Stage 1	3.73	121 m³/min	122 s	99%		Turbulent
EQUIPMENT MOUNTING LOADS						
Static Weight:	449 kg					
Bending Moment:	1,882 N·m					
Torque Reaction:	2,449 N·m					



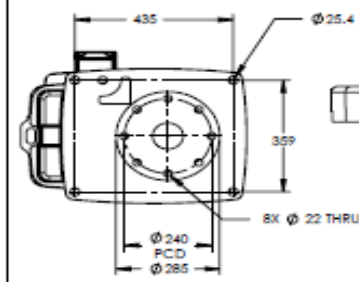
GT/HT D

Modell 22GT-Rührwerk

Die Modelle 20 HAT und GT verfügen über ein eigens für das Rührwerk konstruiertes Getriebe. Die robusten Einheiten sind als rechtwinkelige Konfiguration (HAT) und mit parallelen Wellen (GT) erhältlich. Sie lassen sich anfangen von kritischen chemischen Reaktorsystemen bis hin zu Lageranwendungen für praktisch jeden Prozess maßanfertigen.

Das Modell 20HT/GT erfüllen die Standards AGMA, OSHA, ANSI, IEC, DIN, EU und ATEX

ITEM NO.	Description	PART NUMBER	QTY	Material
010	Motor 380V 3Ph 50Hz IP55 4KW GAMAK	MTR132M-70	1	---
020	GT Motor Adapter Module for 132 Motor	GT-D132-3/4DR	1	---
030	GT Gear unit Module #4	GT-40-56/38	1	---
080	Rotary Bellows Seal	75mm seal	1	---
081	Sleeve Drive Collar	36109	1	316(L)
082	Vapour Seal Flange	36108	1	316(L)
083	O-Ring	41230L-E	1	Viton
100	Shaft c/w Taper Coupling / 5C-3 Hub	36110	1	316(L)
110	Blade 5C-3	31113	3	316(L)



NOTES

- FOR ASSISTANCE IN MOUNTING STRUCTURE DESIGN REFER TO IOM MANUAL AND DRAWING B25179.
- DO NOT LOCATE COILS, BAFFLES OR OTHER VESSEL INTERNALS WITHIN 350mm OF AGITATOR SHAFT & IMPELLERS.
- HUB IS WELDED TO SHAFT. IMPELLER BLADES ARE IN CHEMINEERS SUPPLY.
- FOR SEAL SETTING INSTRUCTIONS SEE IOM ADDENDUM - SUPPLEMENTARY INSTRUCTIONS FOR FITTING AUXILIARY MECHANICAL SEALS.
- BOLTS, NUTS AND OVERSIZED WASHERS FOR HOLDING THE VAPOUR FLANGE TO VESSEL FLANGE ARE IN CHEMINEERS SUPPLY.
- GASKET BETWEEN THE FLANGES SHOULD BE A FULL FACE SOFT RUBBER GASKET. (NOT IN CHEMINEERS SUPPLY)

PROCESS DESIGN CONSIDERATIONS	
DESIGN TEMPERATURE:	AMB
DESIGN PRESSURE:	ATMOS
OPERATING TEMPERATURE:	AMB
OPERATING PRESSURE:	ATMOS
MAX LIQUID SG:	1
MAX LIQUID VISCOSITY:	1 cP
SHEAR CONDITIONS AND/OR MACHINE DAMAGE MAY RESULT FROM OPERATION OUTSIDE OF THESE PARAMETERS	

PROJECT DATA	
CUSTOMER:	Kodak
P.O. NUMBER:	52422
ITEM NUMBER:	AG-205
QUANTITY:	1
AGITATOR SUPPORT DATA	
AGITATOR SUPPORT STRUCTURE SHOULD BE DESIGNED TO WITHSTAND THESE LOADS. FOR FULL MOUNTING REQUIREMENTS REFER TO IOM MANUAL.	
STATIC WEIGHT (kg):	458 kg
TORQUE REACTION (Nm):	2200
BENDING MOMENT (Nm):	4780 (CYCLIC LOAD)
CRITICAL SPEED (RPM):	83
MOTOR DATA	
4 kW	380 V 3 PHASE 50 Hz
TEFV	IP55 1500 RPM SYNC
BAFFLE RECOMMENDATIONS	
4 AT 90°	375 WIDE x 125 OFF VESSEL WALL x 4000 LONG

